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L1	2300 S	CHEMOKINE AND (INHIBIT? OR ANTAGONI? OR BLOCK)
L2	846 S	L1 AND (RANTES OR MCP?)
L3	23 S	L2 AND TRUNCAT?
L4	2 S	L3 AND PY>1999
L5	8 S	L3 AND PY=1998
L6	8 S	L3 AND PY<1998
L7	7 S	L3 AND PY>1998
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FILE 'EMBASE, BIOSIS, CAPLUS' ENTERED AT 16:41:18 ON 04 JUN 2001

L10	25 S	L5
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(RANTES or MCP\$) same (inhibit\$ or antagoni\$ or block) and (RANTES or MCP\$).clm.	79

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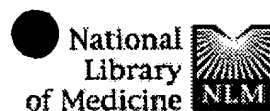
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USPT,PGPB	6168784.pn. or 5965697.pn. or 6159711.pn. or 6168784.pn. or 5605817.pn.	4	<u>L2</u>
USPT,PGPB	5993814.pn. or 6031083.pn. or 5688927.pn. or 5932703.pn. or 5602008.pn. or 5874211.pn. or 5936068.pn.	7	<u>L1</u>



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- ☐ 1: [Aquaro S, Menten P, Struyf S, Proost P, Van Damme J, De Clercq E, Schols D.](#) Relate
 The LD78beta isoform of MIP-1alpha is the most potent CC-chemokine in inhibiting CCR5-dependent human immunodeficiency virus type 1 replication in human macrophages. *J Virol.* 2001 May;75(9):4402-6.
 PMID: 11287590 [PubMed - indexed for MEDLINE]

Related Resources

- ☐ 2: [Blaszczak J, Coillie EV, Proost P, Damme JV, Opdenakker G, Bujacz GD, Wang JM, Ji X.](#) Related Articles, Protein, S
 Complete crystal structure of monocyte chemoattractant protein-2, a CC chemokine that interacts with multiple receptors.
Biochemistry. 2000 Nov 21;39(46):14075-81.
 PMID: 11087354 [PubMed - indexed for MEDLINE]

- ☐ 3: [Van den Steen PE, Proost P, Wuyts A, Van Damme J, Opdenakker G.](#) Relate
 Neutrophil gelatinase B potentiates interleukin-8 tenfold by aminoterminal processing, it degrades CTAP-III, PF-4, and GRO-alpha and leaves RANTES and MCP-2 intact.
Blood. 2000 Oct 15;96(8):2673-81.
 PMID: 11023497 [PubMed - indexed for MEDLINE]

- ☐ 4: [Proost P, Menten P, Struyf S, Schutyser E, De Meester I, Van Damme J.](#) Relate
 Cleavage by CD26/dipeptidyl peptidase IV converts the chemokine LD78beta into a more efficient monocyte attractant and CCR1 agonist.
Blood. 2000 Sep 1;96(5):1674-80.
 PMID: 10961862 [PubMed - indexed for MEDLINE]

- ☐ 5: [De Meester I, Durinx C, Bal G, Proost P, Struyf S, Goossens F, Augustyns K, Scharpe S.](#) Relate
 Natural substrates of dipeptidyl peptidase IV.
Adv Exp Med Biol. 2000;477:67-87. Review. No abstract available.
 PMID: 10849732 [PubMed - indexed for MEDLINE]

- ☐ 6: [Van Damme J, Struyf S, Wuyts A, Van Coillie E, Menten P, Schols D, Sozzani S, De Meester I, Proost P.](#) Relate
 The role of CD26/DPP IV in chemokine processing.
Chem Immunol. 1999;72:42-56. Review. No abstract available.
 PMID: 10550929 [PubMed - indexed for MEDLINE]

- ☐ 7: [Menten P, Struyf S, Schutyser E, Wuyts A, De Clercq E, Schols D, Proost P, Van Damme J.](#) Relate
 The LD78beta isoform of MIP-1alpha is the most potent CCR5 agonist and HIV-1-inhibitory chemokine.
J Clin Invest. 1999 Aug;104(4):R1-5.
 PMID: 10449444 [PubMed - indexed for MEDLINE]

- ☐ 8: Struyf S, Proost P, Schols D, De Clercq E, Opdenakker G, Lenaerts JP, Detheux M, Parmentier M, De Meester I, Scharpe S, Van Damme J. **Relate**
 CD26/dipeptidyl-peptidase IV down-regulates the eosinophil chemotactic potency, but anti-HIV activity of human eotaxin by affecting its interaction with CC chemokine receptor 4.
 J Immunol. 1999 Apr 15;162(8):4903-9.
 PMID: 10202035 [PubMed - indexed for MEDLINE]
- ☐ 9: Wuyts A, Govaerts C, Struyf S, Lenaerts JP, Put W, Conings R, Proost P, Van Damme J. **Relate**
 Isolation of the CXC chemokines ENA-78, GRO alpha and GRO gamma from tumor cells. Leukocytes reveals NH2-terminal heterogeneity. Functional comparison of different natural isoforms.
 Eur J Biochem. 1999 Mar;260(2):421-9.
 PMID: 10095777 [PubMed - indexed for MEDLINE]
- ☐ 10: Proost P, Struyf S, Schols D, Opdenakker G, Sozzani S, Allavena P, Mantovani A, Augustyns K, Relate Bal G, Haemers A, Lambere AM, Scharpe S, Van Damme J, De Meester I. **Relate**
 Truncation of macrophage-derived chemokine by CD26/ dipeptidyl-peptidase IV beyond predicted cleavage site affects chemotactic activity and CC chemokine receptor 4 interaction.
 J Biol Chem. 1999 Feb 12;274(7):3988-93.
 PMID: 9933589 [PubMed - indexed for MEDLINE]
- ☐ 11: Schols D, Proost P, Struyf S, Wuyts A, De Meester I, Scharpe S, Van Damme J, De Clercq E. **Relate**
 CD26-processed RANTES(3-68), but not intact RANTES, has potent anti-HIV-1 activity.
 Antiviral Res. 1998 Oct;39(3):175-87.
 PMID: 9833958 [PubMed - indexed for MEDLINE]
- ☐ 12: Struyf S, Proost P, Sozzani S, Mantovani A, Wuyts A, De Clercq E, Schols D, Van Damme J. **Relate**
 Enhanced anti-HIV-1 activity and altered chemotactic potency of NH2-terminally processed macrophage-derived chemokine (MDC) imply an additional MDC receptor.
 J Immunol. 1998 Sep 15;161(6):2672-5.
 PMID: 9743322 [PubMed - indexed for MEDLINE]
- ☐ 13: Van Coillie E, Proost P, Van Aelst I, Struyf S, Polfliet M, De Meester I, Harvey DJ, Van Damme J, Opdenakker G. **Related Articles, Protein, Nucleotide**
 Functional comparison of two human monocyte chemotactic protein-2 isoforms, role of amino-terminal pyroglutamic acid and processing by CD26/dipeptidyl peptidase IV.
 Biochemistry. 1998 Sep 8;37(36):12672-80.
 PMID: 9730840 [PubMed - indexed for MEDLINE]
- ☐ 14: Proost P, Struyf S, Schols D, Durinx C, Wuyts A, Lenaerts JP, De Clercq E, De Meester I, Van Damme J. **Relate**
 Processing by CD26/dipeptidyl-peptidase IV reduces the chemotactic and anti-HIV-1 activity of stromal-cell-derived factor-1alpha.
 FEBS Lett. 1998 Jul 31;432(1-2):73-6.
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- ☐ 15: Struyf S, De Meester I, Scharpe S, Lenaerts JP, Menten P, Wang JM, Proost P, Van Damme J. **Relate**
 Natural truncation of RANTES abolishes signaling through the CC chemokine receptor and CCR3, impairs its chemotactic potency and generates a CC chemokine inhibitor.
 Eur J Immunol. 1998 Apr;28(4):1262-71.
 PMID: 9565366 [PubMed - indexed for MEDLINE]
- ☐ 16: Proost P, Struyf S, Couvreur M, Lenaerts JP, Conings R, Menten P, Verhaert P, Wuyts A, Van Damme J. **Relate**
 Posttranslational modifications affect the activity of the human monocyte chemotactic protein 1.

MCP-1 and MCP-2: identification of MCP-2(6-12) as a natural chemokine inhibitor.
J Immunol. 1998 Apr 15;160(8):4034-41.
PMID: 9558113 [PubMed - indexed for MEDLINE]

- ☐ 17: [Proost P, De Meester I, Schols D, Struyf S, Lambey AM, Wuyts A, Opdenakker G, De Clercq E, Scharpe S, Van Damme J.](#) [Relate](#)

Amino-terminal truncation of chemokines by CD26/dipeptidyl-peptidase IV. Conversion of RANTES into a potent inhibitor of monocyte chemotaxis and HIV-1-infection.

J Biol Chem. 1998 Mar 27;273(13):7222-7.

PMID: 9516414 [PubMed - indexed for MEDLINE]

- ☐ 18: [Proost P, Wuyts A, Conings R, Lenaerts JP, Put W, Van Damme J.](#) [Relate](#)

Purification and Identification of Natural Chemokines

Methods. 1996 Aug;10(1):82-92.

PMID: 8812648 [PubMed - as supplied by publisher]

- ☐ 19: [Proost P, Wuyts A, van Damme J.](#) [Relate](#)

The role of chemokines in inflammation.

Int J Clin Lab Res. 1996;26(4):211-23. Review.

PMID: 9007610 [PubMed - indexed for MEDLINE]

- ☐ 20: [Sozzani S, Allavena P, Proost P, Van Damme J, Mantovani A.](#) [Relate](#)

Chemokines as targets for pharmacological intervention.

Prog Drug Res. 1996;47:53-80. Review. No abstract available.

PMID: 8961764 [PubMed - indexed for MEDLINE]

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- ☐ **21:** Proost P, Wuyts A, Van Damme J. Relate
 Human monocyte chemotactic proteins-2 and -3: structural and functional comparison MCP-1.
 J Leukoc Biol. 1996 Jan;59(1):67-74. Review.
 PMID: 8558070 [PubMed - indexed for MEDLINE]

Related Resources

- ☐ **22:** Masure S, Paemen L, Proost P, Van Damme J, Opdenakker G. Relate
 Expression of a human mutant monocyte chemotactic protein 3 in Pichia pastoris and characterization as an MCP-3 receptor antagonist.
 J Interferon Cytokine Res. 1995 Nov;15(11):955-63.
 PMID: 8590307 [PubMed - indexed for MEDLINE]

- ☐ **23:** Proost P, Van Leuven P, Wuyts A, Ebberink R, Opdenakker G, Van Damme J. Relate
 Chemical synthesis, purification and folding of the human monocyte chemotactic prote MCP-2 and MCP-3 into biologically active chemokines.
 Cytokine. 1995 Feb;7(2):97-104.
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- ☐ **24:** Bertini R, Luini W, Sozzani S, Bottazzi B, Ruggiero P, Boraschi D, Saggioro D, Chieco-Bianchi L, Proost P, van Damme J, et al. Relate
 Identification of MIP-1 alpha/LD78 as a monocyte chemoattractant released by the HTLV-I-transformed cell line MT4.
 AIDS Res Hum Retroviruses. 1995 Jan;11(1):155-60.
 PMID: 7537510 [PubMed - indexed for MEDLINE]

- ☐ **25:** Van Damme J, Proost P, Put W, Arens S, Lenaerts JP, Conings R, Opdenakker G, Heremans H, Billiau A. Relate
 Induction of monocyte chemotactic proteins MCP-1 and MCP-2 in human fibroblasts a leukocytes by cytokines and cytokine inducers. Chemical synthesis of MCP-2 and deve of a specific RIA.
 J Immunol. 1994 Jun 1;152(11):5495-502.
 PMID: 8189067 [PubMed - indexed for MEDLINE]

- ☐ **26:** Van Damme J, Proost P, Lenaerts JP, Conings R, Opdenakker G, Billiau A. Relate
 Monocyte chemotactic proteins related to human MCP-1.
 Adv Exp Med Biol. 1993;351:111-8. Review. No abstract available.
 PMID: 7942290 [PubMed - indexed for MEDLINE]

- ☐ **27:** Van Damme J, Proost P, Lenaerts JP, Opdenakker G. Related Articles, Protein, Nucleotid
 Structural and functional identification of two human, tumor-derived monocyte chemo proteins (MCP-2 and MCP-3) belonging to the chemokine family.

J Exp Med 1992 Jul 1;176(1):59-65.
PMID: 1013466 [PubMed - indexed for MEDLINE]

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